

**Listing of Claims****1. - 23. (cancelled)**

1           24. (new) A method for making a glued-together screen assembly for use in  
2 a vibratory separator, the method comprising  
3           producing at least one layer of screening material with glue on the  
4           surface thereof,  
5           placing the at least one layer of screening material on heating  
6           apparatus,  
7           heating the at least one layer of screening material with the  
8           heating apparatus,  
9           placing a secondary member on the at least one layer of screening  
10          material,  
11          heating together the at least one layer of screening material and  
12          the secondary member to combine the at least one layer of screening material  
13          and the at least one secondary member forming a first screen assembly,  
14          the heating apparatus comprising a control system, a plurality of  
15          heating elements spaced-apart on the heating apparatus, and a plurality of heat  
16          sensors, the plurality of heat sensors spaced-apart and movable to a position  
17          adjacent the at least one layer of screening material, the plurality of heat  
18          sensors in communication with the control system, the method further  
19          comprising  
20                  sensing with the plurality of heat sensors temperatures of  
21                  different portions of the at least one layer of screening material during  
22                  heating thereof, and  
23                  controlling the plurality of spaced-apart heating elements  
24                  with the control system in response to temperatures sensed by the  
25                  plurality of heat sensors to control heat applied to the different portions  
26                  of the at least one layer of screening material during heating thereof.

1           25. (new) The method of claim 24 further comprising  
2                  controlling the plurality of spaced-apart heating elements to

3 uniformly heat the at least one layer of screening material.

1 26. (new) The method of claim 24 further comprising  
2 the at least one layer of screening material comprising a plurality  
3 of layers of screening material.

1 27. (new) The method of claim 24 wherein the at least one layer of screening  
2 material is a layer of coarse mesh.

1 28. (new) The method of claim 24 wherein glue on the at least one layer of  
2 screening material is cured glue prior to placing the at least one layer of screening  
3 material on the heating apparatus.

1 29. (new) The method of claim 24 wherein the glue is moisture-curing hot melt  
2 glue.

1 30. (new) The method of claim 24 wherein the secondary member is a frame  
2 for a screen assembly.

1 31. (new) The method of claim 30 wherein the frame comprises an array of  
2 tubular members.

1 32. (new) The method of claim 30 wherein the frame is coated with adhesive  
2 material.

1 33. (new) The method of claim 32 wherein the secondary member is heated  
2 sufficiently so that at least some of the adhesive material flows onto the at least one  
3 layer of screening material to adhere together the secondary member and the at least  
4 one layer of screening material.

1 34. (new) The method of claim 32 wherein the adhesive material is powderized  
2 epoxy material.

1 35. (new) The method of claim 24 further comprising  
2 removing the first screen assembly from the heating apparatus,  
3 emplacing the first screen assembly on first cooling apparatus  
4 adjacent the heating apparatus, and  
5 cooling the first screen assembly with the first cooling apparatus.

1 36. (new) The method of claim 35 further comprising  
2 while the first screen assembly is cooling, forming a second screen  
3 assembly as in Claim 24.

1 37. (new) The method of claim 36 further comprising

2 removing the second screen assembly from the heating apparatus,  
3 emplacing the second screen assembly on second cooling  
4 apparatus, and

5 cooling the second screen assembly with the second cooling  
6 apparatus.

1 38. (new) The method of claim 37 further comprising

2 while the second screen assembly is cooling, forming a third  
3 screen assembly as in Claim 24.

1 39. (new) A method for making a screen assembly for use in a vibratory  
2 separator, the method comprising

3 producing at least one layer of screening material with glue  
4 thereon,

5 placing the at least one layer of screening material on heating  
6 apparatus,

7 heating the at least one layer of screening material with the  
8 heating apparatus,

9 placing a frame on the at least one layer of screening material on  
10 the heating apparatus,

11 heating together the at least one layer of screening material and  
12 the frame to combine the at least one layer of screening material and the frame  
13 forming a screen assembly,

14 removing the first screen assembly from the heating apparatus,  
15 emplacing the first screen assembly on first cooling apparatus  
16 adjacent the heating apparatus, and

17 cooling the first screen assembly with the first cooling apparatus,  
18 the first cooling apparatus comprising a base and a top platen  
19 movable with respect to the base, the first screen assembly emplaceable on the  
20 base, the first cooling apparatus comprising supply apparatus for supplying  
21 cooling fluid to the base and to the top platen for cooling the first screen  
22 assembly, the method further comprising

23 cooling the first screen assembly with the first cooling  
24 apparatus further comprising  
25 emplacing the first screen assembly on the base,  
26 moving the top platen down onto the first screen assembly,  
27 and

28 supplying cooling fluid to the base and to the top platen  
29 with the supply apparatus to cool the first screen assembly.

1 40. (new) The method of claim 39 further comprising  
2 each of the base and the top platen having a plurality of spaced-  
3 apart cooling fluid lines, the method further comprising  
4 supplying cooling fluid with the supply apparatus to each of  
5 the cooling fluid lines to cool the first screen assembly.

1 41. (new) The method of claim 39 further comprising  
2 the heating apparatus comprising a control system, a plurality of  
3 spaced-apart heating elements, and a plurality of heat sensors, the plurality of  
4 heat sensors spaced-apart and movable adjacent the at least one layer of  
5 screening material, the heating elements spaced-apart on the heating apparatus,  
6 the plurality of heat sensors in communication with the control system, the  
7 method further comprising

8 sensing with the plurality of heat sensors temperatures of  
9 different portions of the at least one layer of screening material during  
10 heating thereof, and

11 controlling the plurality of spaced-apart heating elements  
12 with the control system in response to temperatures sensed by the  
13 plurality of heat sensors to control heat applied to the different portions  
14 of the at least one layer of screening material during heating thereof.

1 42. (new) The method of claim 39 further comprising  
2 placing a secondary member on the frame.

1 43. (new) The method of claim 39 wherein the first screen assembly is cooled  
2 to about 88°F in about 2 to 4 minutes.